

CURRICULUM VITAE

John C. Rodgers III

Address:

Department of Geosciences
Mississippi State University
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Education:

- Ph.D. August 1999, Geography, University of Georgia. Dissertation: Effects of human disturbance on alien plant distributions and primary dune vegetation on the Georgia Sea Islands. Supervisor: Dr. Kathleen C. Parker.
- M.S. May 1994, Botany, University of Tennessee, Knoxville. Thesis: Modern Pollen Rain in Costa Rica. Supervisor: Dr. Sally P. Horn (Geography) and Edward Clebsch (Botany)
- B.S. May 1991, Biology (Concentration in Ecology) and Botany with High Honors University of Tennessee, Knoxville.

University Appointments:

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| 2015 – present | Full Professor, Department of Geosciences, Mississippi State University |
| 2007 – present | Associate Professor, Department of Geosciences, Mississippi State University |
| 2001 - 2006 | Assistant Professor, Department of Geosciences, Mississippi State University |
| 1999- 2001 | Assistant Professor, University of New Orleans, Department of Geography |

Peer-Review Publications:

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| 2016 | Bortoleto, L. A., Gigueira, C. J. M., Dunning Jr., J. B., Rodgers, J. , da Silva, A. M. Suitability index for restoration in landscapes: An alternative proposal for restoration projects. <i>Ecological Indicators</i> 60: 724-735 |
| 2014 | Sorbal, A. C., Peixoto, A. S., Nascimento, V. F., and Rodgers, J. Geospatial analysis of natural and anthropogenic influences on soil erosion and soil characteristics in Southeastern Brazil. <i>Regional Environmental Change</i> : printed on-line. DOI: 10.1007/s10113-014-0667-z |

- 2014 Ho, C. D., Mylroie, J., and **Rodgers, J.** Fuzzy-based Spatial Modeling Approach to Predict Island Karst Distribution: A Conceptual Model for publication in Environmental Earth Sciences. *Environmental Earth Science* 71: 1369-1377.
- 2013 Clary, R., Summral, J., **Rodgers, J. C. III** . The Effects of Geographic Affiliation on Students' Perceptions, Awareness, and Responses to the 2010 Deepwater Horizon Oil Spill. *Journal of Geoscience Education* 61: 453-460.
- 2013 **Rodgers, J. C. III**. Size-class distribution of Australian pine [*Casuarina equisetifolia* L. ex J.R. & G. Forst.] beach population on San Salvador Island, The Bahamas. *Caribbean Journal of Science* 43(1): 37-49.
- 2013 Sherman-Morris, K., Brown, M.E., Dyer, J.L., McNeal, K.S., **Rodgers, J.C.** Teachers' Geoscience Career Knowledge and Implications for Enhancing Diversity in the Geosciences. *Journal of Geoscience Education* 61: 326-333.
- 2013 Meng, Q., Cooke, W. H. and **Rodgers, J.** 2013. Derivation of 16-day time-series NDVI data for environmental studies using a data assimilation approach. *GIScience and Remote Sensing* (published on-line; <http://dx.doi.org/10.1080/15481603.2013.823733>)
- 2013 Khanal, S. Ambinakudige, S., and **Rodgers, J.** 2013. A GIS analysis of the spatial relationship between evapotranspiration and pan evaporation in the United States. *Water International* 38: 353-360.
- 2013 Luiz Augusto Manfré, Alexandre Marco da Silva, Rodrigo Custódio Urban, **John Rodgers**. ENVIRONMENTAL FRAGILITY EVALUATION AND GUIDELINES FOR ENVIRONMENTAL ZONING: a study case on Ibiuna-SP (Southeastern Brazilian region). *Environmental Earth Science* 69: 947-957.
- 2012 Sherman-Morris, K., **Rodgers, J.C.**, McNeal, K.S., Brown, M.E., Dyer, J.L. Professional Development Strategies to Enhance Diversity in the Geosciences. *The Science Educator* 22: 31-38
- 2012 Buehler, C. and **Rodgers, J. C.** Soil property differences between invaded casuarinas (*Casuarina equisetifolia* L.) sites and non-casuarinas sites in The Bahamas. *Physical Geography* 33: 574-588.
- 2012 **Rodgers, J. C. III** and S. Ambinakudige. Distribution of the invasive casuarinas on beaches of San Salvador Island, The Bahamas. *Natural Areas Journal* 32: 386-390.
- 2012 **Rodgers, J.**, A. Owen-Nagel, and S. Ambinakudige. Teaching geospatial courses online: development of a pedagogical model. *Review of International Geographical Education Online* 2: 7-24 (ISSN: 2146-0353)

- 2011 Cooke, W.H. III, **Rodgers, J.C.**, and Grala, K., Geospatial Technique for Rapid Delineation of Potential Hurricane Damage. In: Editorial Collegium (eds) *Hurricane Research*, 978-953-7619-X-X, Intech Publishing, Austria.
- 2009 **Rodgers, J. C. III**, Murrah, A. W., and Cooke, W. C. III. The Impact of Hurricane Katrina on the Coastal Vegetation of the Weeks Bay Reserve, Alabama from NDVI Data. *Estuaries and Coasts* 32: 496-507.
- 2008 **Rodgers, J. C. III** and Gamble, D. G. The Impact of Hurricane Frances (2004) on the Invasive Australian Pine (*Casuarina equisetifolia* L.) San Salvador Island, The Bahamas. *Journal of the Torrey Botanical Society* 135: 367-376.
- 2008 Peacock, E., **Rodgers, J.C. III**, Bruce, K. and Gray, J. Assessing the Pre-Modern Tree Cover of the Ackerman Unit, Tombigbee National Forest, North Central Hills, MS, Using GLO Survey Notes and Archaeological Data. *Southeastern Naturalist* 7: 245-266.
- 2007 Horn, S. P. and **Rodgers, J. C. III**. Pollen in the Río Puerto Viejo, Costa Rica. *Brenesia*: 67: 1-7.
- 2007 Senkbeil J.C., **Rodgers J.C. III**, Sheridan S.C. The Sensitivity of Tree Growth to Air Mass Variability and the Pacific Decadal Oscillation in Coastal Alabama. *International Journal of Biometeorology* 51: 483 - 491.
- 2006 **Rodgers, J. C. III**, Gamble, D. G., McCay, D. H., and Phipps, S. Tropical cyclone signals within tree ring chronologies from Weeks Bay National Estuary and Research Reserve, Alabama. *Journal of Coastal Research* 22: 1320-1329.
- 2005 **Rodgers, J. C. III**. The Distribution of Casuarinas on San Salvador Island. *Southeastern Geographer* 45: 222-238.
- 2003 **Rodgers, J. C. III** and Parker, K. C. Distribution of alien plant species in relation to human disturbance and environmental stress on the Georgia Sea Islands. *Diversity and Distributions* 9: 385-398.
- 2002 **Rodgers, J. C. III**. Effects of human disturbance on the dune vegetation of the Georgia Sea Islands, USA. *Physical Geography* 23: 79 – 94.
- 1998 Horn, Sally P., **Rodgers, J.C. III**, Orvis, K.H., and Northrop, L.A. Recent vegetation and land use history from soil pollen analysis: testing the potential in the lowland humid tropics. *Palynology* 22: 167-180.
- 1997 Horn, Sally P., and **Rodgers, J.C. III**, 1996-1997. The northern limit of *Alnus* (Fagales) in Costa Rica: modern pollen evidence of a possible range extension.

Revista Biologia Tropical **45(1)**: 609-611.

1996 **Rodgers, J.C. III**, and Horn, Sally P. 1996. Modern Pollen Spectra from Costa Rica. *Paleogeography, Paleoclimatology, Paleoecology* **124**: 53 - 71.

Awards and Grants:

Mississippi State University (Funded)

- 2014 Cross-Collaboration: MSU Internal Grant through the Office of Research and Economic Development , submitted with Dr. Scott Rush (Wildlife), \$1500.
- 2013 Spatial and Temporal Changes in Sea Level and Marsh Birds in the Mobile/Tensaw Delta. Rush, S. and Rodgers, J PI's. Alabama Department of Conservation and Natural Resources. \$21,000. June 2015 – Dec 2016
- 2013 Cross-Collaboration: MSU Internal Grant through the Office of Research and Economic Development , submitted with Dr. Scott Rush (Wildlife), \$1500.
- 2012 A Modis based decision support tool/model for Gulf coast salt marsh conservation and restoration. UNO Sub Grant, original grant to NASA ROSES. \$129,000. Mishra and Rodgers.
- 2012 Schillig Special Teaching Projects (Schillig Grant), Mississippi State University. Submitted with Dr. Ambinakudige (Geosciences). This award provided funds to purchase GPS units for use in teaching modern geographic tools to undergraduates; \$3000
- 2010 NSF GEO: Fueling the Geosciences Educational Pipeline: The development of a K-12 Network to Support Minority Participation, (NSF GEO-0939734) Kathleen Sherman-Morris, PI. Co-PIs: John Rodgers, Michael Brown, Karen McNeal and Jamie Dyer, \$39828, October 1, 2009-September 30, 2011.
- 2009 Gerace Research Centre, College of the Bahamas, Student Grant. Charlotte Buehler (PI) and John Rodgers. Soil modification and allelopathy from the invasive Australian pine (*Casuarina equisetifolia* L.): an investigation into how Australian pines modify their environment. \$1000.
- 2006 Weeks Bay Reserve Graduate Fellowship. John Rodgers (PI) and Adam Murrah (Co-PI). The use of geospatial technologies and ground based field studies to quantify the effect of Hurricane Katrina on the vegetation of the Weeks Bay Reserve. \$20,000
- 2004 NASA, EIGS Fellowship Program, continuation of previous years grant. John Rodgers (PI) and Brady Smith (Co-PI), A Remote Sensing and GIS Analysis of Drought Effects on the Estuaries of Coastal Alabama; \$22,000, 301868.

- 2003 NASA, Mississippi Space Commerce Initiative Fellowship Program. John Rodgers (PI) and Brady Smith (Co-PI), A Remote Sensing and GIS Analysis of Drought Effects on the Estuaries of Coastal Alabama; \$22,000, Grant no 03-06-093.
- 2002 Schillig Special Teaching Projects (Schillig Grant), Mississippi State University. This award provided funds to purchase GPS units for use in teaching modern geographic tools to undergraduates; \$2490

University of New Orleans

- 2000 Fellowship in Teaching and Technology, University of New Orleans. This award provided a laptop computer for web-based learning and other multimedia instructional technologies within the classroom; \$1500

University of Georgia

- 1997-1999 University of Georgia Graduate School Award. This fellowship waives tuition costs and pays a salary throughout the academic year.
- 1997 National Science Foundation Doctoral Dissertation Improvement Grant (Geography and Regional Science). "The Occurrence of Herbaceous Alien Plant Species with Respect to Environmental Stress and Anthropogenic Influences on the Georgia Sea Islands"; \$7776
- 1996 Outstanding Teaching Assistant Award, University of Georgia.

Invited Presentations

- 2011 Spatial Analysis of Australian pine on San Salvador Island, the Bahamas. Presentation given to the Department of Geosciences, Florida Atlantic University, Boca Raton, FL. March 2011.
- 2010 Geographic Analysis of Australian pine in the Bahamas. Presentation given to the Department of Geography, University of Alabama, Tuscaloosa. October 2010.
- 2008 On-line learning and engaging the distance learner. Invited presentation for the Mississippi State University Center for Teaching and Learning Brownbag Series, February 13, 2008.

Academic Journal Reviewer: *Invasive Plant Science and Management, Journal of Coastal Research, Ecological Indicators, Journal of Environmental Management, Environmental Monitoring and Assessment, landscape Ecology, and Southeastern Geologist.*

Papers and Academic Posters Presented at Conferences (presenter underlined):

- 2014 Michael A. Maguigan, John C. Rodgers III, and Jamie L. Dyer. Controls on primary

productivity in southern Appalachian wetlands (Poster). Joint Aquatic Sciences Meeting, May 2014, Portland, OR.

- 2014 Rodgers, J.C. and Bise, D. A Geospatial Analysis of Sidewalk Infrastructure in Relation to Social Sectors of a Small Southern Community. Poster presented at Annual Meeting of the Association of American Geographers, Tampa, FL, April 10, 2014
- 2012 Rodgers, J. C. III. Resiliency of the invasive Australian pine to disturbance: a case study on San Salvador Island, The Bahamas. Paper presented at Annual Meeting of the Association of American Geographers, New York, NY, February 27, 2012
- 2012 Rodgers, J.C. III. Invasive Plant Management, Spatial Analysis of a Control Strategy in the Bahamas. Poster presented at the Southeastern Division of the Association of American Geographers, Asheville, NC November 19, 2012.
- 2012 Summral, J., Clary, R., and Rodgers, J. A research investigation into the effects of students' sense of place on interest, knowledge, and behavioral changes with respect to the 2010 Deepwater Horizon Oil Spill. Geological Society of America Abstracts with Programs, Vol. 44, No. 7, p. 103. Presented at November 2012 meeting in Charlotte, NC.
- 2011 Rodgers, J. C. III. Biogeographical Analyses of a Problematic Invasive Specie; Australian Pine (*Casuarina equisetifolia* L.) Distribution Patterns on Beaches of San Salvador Island, The Bahamas. Paper presented at the Annual Meeting of the Association of American Geographers, Seattle, WA April 15, 2011.
- 2010 Rodgers, J.C. III. Spatial Analyses of a Noxious Invasive Specie in The Bahamas: A Three Year Study of Casuarinas Populations on San Salvador Island. Poster presented at the Southeastern Division of the Association of American Geographers, Birmingham, AL November 22, 2010.
- 2010 Buehler, C. P. and Rodgers, J. C. III. An Investigation of *Casuarina Equisetifolia* L. (Australian Pine) Modification of the Environment Through Potential Allelopathy on San Salvador Island, The Bahamas. Poster presented at the Southeastern Division of the Association of American Geographers, Birmingham, AL November 22, 2010.
- 2009 Rodgers, J.C. III and Theel, R. Mississippi and Alabama Barrier Island Migration 1990 to 2005 as measured by Landsat Satellite Imagery. Research poster presented at the Annual Meeting of the Southeastern Division of the Association of American Geographers, Knoxville, TN November 22, 2009.
- 2009 Rodgers, J. C. III, Murrah, A. and Cooke, W. C. III. Coastal Vegetation Change In Weeks Bay, Alabama Due to Hurricane Katrina and Other Environmental Variables. Presentation given at the Annual Meeting of the Association of American Geographers, Las Vegas, NV, March 26, 2009.

- 2008 Pounders, A. and Rodgers, J. C. III. The Mexican Migrant Population of Northeast Mississippi. Poster presented at the Annual Meeting of the Southeastern Division of the Association of American Geographers, Greensboro, NC, November, 23, 2009
- 2007 Rodgers, J. C. III. The Effects of Hurricane Katrina on the Weeks Bay Reserve, Alabama Vegetation from Landsat 5 Satellite Imagery. Paper presented at the Annual Meeting of the Southeastern Division of the Association of American Geographers, Charleston, SC, November, 18, 2007
- 2007 Rodgers, J. C. III. The invasive Australian pine (*Casuarina equisetifolia*) and native animal species within the Bahamas. Paper presented at the 103rd Annual Meeting of the Association of American Geographers, San Francisco, CA, April 4 2007.
- 2006 Rodgers, J. C. III. Casuarinas, Storms, and Sediment. Poster presented at the 16th Geology of the Bahamas Symposium. June 8, San Salvador Island, The Bahamas.
- 2006 Rodgers, J. C. III. Hurricane affects on populations of Australian Pine (*Casuarina equisetifolia*) on San Salvador Island, The Bahams. Paper presented at the 102th Annual Meeting of the Association of American Geographers, Chicago, IL, March 9, 2006.
- 2005 Rodgers, J.C. III. Australian pines and their possible threat to beach erosion on San Salvador Island, The Bahamas. Paper presented at the 101th Annual Meeting of the Association of American Geographers, Denver, Colorado, April 8, 2005.
- 2004 Horn, Sally P., Arford, M., Cozard, D., Anchkaitis, K., Rodgers III, J. and Kennedy, L. Pollen Evidences of Pre-Columbian Maize Cultivation in Costa Rica. Annual Meeting of the Society of American Archaeology, Montreal , Canada, April 2994.
- 2004 Smith, B.K. and Rodgers, J. C. III. Geospatial technologies to monitor the effects of drought on estuaries in Weeks Bay Reserve, Alabama. Poster presented at the 59th Annual Meeting of the Southeastern Division of the Association of American Geographers, Biloxi, MS, November, 2004
2004. Rodgers, J. C. III. The distribution of casuarinas in relation to human disturbance on San Salvador Island. Paper presented at the 100th Annual Meeting of the Association of American Geographers, Philadelphia, PA. March 18, 2004.
2003. Rodgers, J. C. III and Cooke, W. H. The Geography of Tennis in Mississippi. Poster presented at the 58th Annual Meeting of the Southeastern Division of the Association of American Geographers, Charlotte, NC. November 22, 2003
- 2002 Rodgers, J. C. III. Human disturbance and dune soils of the Georgia Sea Islands. Paper presented at the 57th Annual Meeting of the Southeastern Division of the Association of American Geographers, Richmond, VA. November 23, 2002

- 2002 Rodgers, J. C. III. and Brown, M. E. The spatial distribution of tree damage in Starkville, MS following a severe downburst from a Mesoscale Convective System (Derecho). Paper presented at the 98th Annual Meeting of the Association of American Geographers, Los Angeles, CA. March 23, 2002.
- 2001 Rodgers, J.C. III; McCay, D.; Gamble, D.; and Phipps, S. The Use of Tree-Ring Chronologies to Determine the Effects of Tropical Cyclones on a Coastal Alabama Bottomland Forest. Paper to be presented at the upcoming 97th Annual Meeting of the Association of American Geographers, New York City, NY.
- 2000 Rodgers, J. C. III and Ivester, A. A Holocene pollen record from a Carolina Bay on the coastal plain of Georgia, U.S.A. Poster presented at the Annual Meeting of the Geological Society of America, Reno, Nevada. November 13, 2000.
- 2000 Rodgers, J.C. III. The effects of anthropogenic disturbance and environmental stress on the distribution of alien plants on the Georgia Sea Islands. Paper presented at the 96th Annual Meeting of the Association of American Geographers, April 8, Pittsburgh, PA.
- 1998 Rodgers, J. C. III. The dune vegetation of the Georgia Sea Islands in relation to anthropogenic disturbance. Paper presented at the 51st Annual Meeting of the Southeastern Division of the Association of American Geographers, November 22, Memphis, TN.
- 1998 Rodgers, J.C. III. The distribution of herbaceous alien plant species in relation to anthropogenic disturbance and environmental stress. Paper presented at the 30th Annual meeting of Applied Geographers, October 22, Louisville, KY.
- 1998 Rodgers, J.C. III. The effects of anthropogenic disturbance on the dune vegetation of the Georgia Sea Islands. Poster presented at the annual meeting of the Association of American Geographers, March 27, Boston, MA.
- 1997 Rodgers, J.C. III. Scrub vegetation in relation to fire and anthropogenic disturbance. Paper presented at the annual meeting of the Southeastern Division of the Association of American Geographers, November 24, Birmingham, AL.
- 1997 Rodgers, J.C. III. Distribution of Alien Plants on Jekyll Island, Georgia: Preliminary Data. Paper presented at the annual meeting of the Association of American Geographers, April 13, Fort Worth, TX.
- 1997 Horn, S.P., Kennedy, L.M., Northrop, L.A., Gray, E., Rodgers, J.C. III. Prehistoric human disturbance of tropical forests in Costa Rica: paleoecological evidence from the Central Atlantic watershed. Paper presented at the Symposium and Annual Meeting of the Association for Tropical Biology, Organization of Tropical Studies. June 15, San Jose, Costa Rica.

Courses Taught Since 2007:On-Campus (OC) and Distance Education (DL) Courses

Ocean Science, GG 8233 (DL)
Principles of GIS, GR 4303/6303 (OC and DL)
Geography of North America, GR 4203/6203 (OC)
Environmental Geosciences, GG 8233 (OC)
Coastal Environments, GG 4523/6523 (OC)
Natural Hazards GR 4813/6813 (OC), Advanced Natural Hazards (GR 8990)
Climate Change GR 8633 (DL)
GIS Programming GR 4363/6363 (DL)
Other Geospatial Courses: Special Topics , GR 4990/6990: Geospatial Techniques, Introduction to Geodatabases, and Geospatial Methods (all 3 are DL).

Other Courses Taught:

World Geography, GR 1123 ; MSU
Seminar in Geosciences/Literature in Geosciences, GG 8561/GG 8452 ; MSU
Statistical Climatology, GR 4633/6633 ; MSU
Research Methods, GR 8990; MSU
Environmental Impact Analysis, GEOG 4158; UNO
Advanced Quantitative Methods, GEOG 4801; UNO
Terrestrial Plant Ecology, GEOG 4833: UNO
Environmental Geography, GEOG 1600; UNO
Physical Geography, GEOG 2151 at UNO and GGY 104 at UGA.
General Botany, BOT 110, UTK

Field Courses, College-level:

Geosciences Study Abroad, Bahamian Field Course, GG 4533 MSU, 2012 - present
Field Methods in Geosciences, GR 8410 Western Washington; MSU, 2014 - present
Field Methods in Geosciences, GR 8400, Bahamas; MSU, 2015 - present
Field Methods in Geosciences, GR 8410 Lake Superior; MSU, 2006 - 2013
Field Methods in Geosciences, GR 8400 Outer Banks; MSU, 2005 - 2012
Field Methods in Geosciences, GR 8400 Mississippi River; MSU, 2003 - 2005

Field Courses, High School-level

1999 – 2001 Duke University's Talent Identification Program, Costa Rica. This is a three week-long, field-based tropical ecology course for advanced high school students. I was the instructor that was charge of taking students to different types of tropical forests where we conducted field projects and discussed important issues related to rainforest ecology and preservation.

Advising:

Current 2014 Undergraduate Load: 14 students

Programs Advised: Geography, GIS, Professional Meteorology, Environmental Geosciences

Current Graduate Students

Major Advisor: 2 Master's thesis students and 1 Ph.D. students.

Committee Member: 4 Master's thesis and 7 Ph.D.
 Thesis Committee Member, Graduated: 25 students
 Dissertation Committee Member Graduated Students: 6
 David Holly (Biology), Sachi Mishra (Geosciences), Michael Crosby
 (Forestry), Robika Mylroie (Counseling and Psychology Ed), Erik Larsen
 (Geoscineces), Athena Nagel (Geosciences)

Major Adviser, Graduate Students who have successfully defended and graduated:

2015	Michael Maguigan	An examination of net primary proeuction in southern Appalachian wetlands, PhD.
2015	Dora Lambert	Hill-fort Sites and Tumuli in the Shkodra Plain Region of Northern Albania – A Geospatial Perspective, MS.
2015	Robert Devon Bise	A GIS analysis of sidewalk infrastructure in Starkville, MS. MS.
2011	Mark Carruth	Multispectral/multi-temporal aerial detection and Mapping of red imported fire ant colony mounds in two monoculutural grass types
2010	Charlotte Buehler	Soil modification and potential allelopathy: An investigation into how the invasive casuarinas equisetifolia L. (Australian Pine) Modify their environment.
2009	Leif Mylroie	Spatial dispersion of the fungus <i>Aspergillus flavus</i> in corn ears: A spatial analysis of ubiquitin MRNA.
2008	Jamie Thomason:	An assessment of suspended sediment in Weeks Bay Reserve, Baldwin County, Alabama, using geospatial modeling and field sampling methods.
2007	Adam Murrah:	The use of geospatial technologies and ground-based field studies to quantify the effect of hurricane Katrina on the vegetation of the Weeks Bay Reserve
2007	Ryan Theel:	A 15 – year evaluation of the Mississippi and Alabama Coastline Barrier Islands, Using Landsat Satellite Imagery.
2007	Anna Pounders	An investigation of Mexican Immigration in the Itawamba and Tishomingo Counties, Northeast Mississippi.
2006	Jonathan DelBosco:	Jobs-housing balance and individual spatial choices: A case study of Saturn workers in Spring Hill, Tennessee
2005	David Glenn:	The North Atlantic Basin Hurricane Reanalysis Project: A

Five Year Reassessment of Early 20th Century Tropical Cyclones.

- 2004 John Storelli: Using GIS and remote sensing to assess changes in aquaculture in the Delta of Mississippi.
- 2002 Jason Senkbile: The sensitivity of tree rings to ENSO and climate variables in coastal Alabama.

Service:

University Service:

- 2012 – present Program Director of the Geospatial and Remote Sensing Certificate Program
- 2009 – 2015 Mississippi State University, Robert Holland Faculty Senate Representative from the College of Arts and Sciences
- 2013 Schillig Undergraduate Teaching grant review board
- 2007 Mississippi State University, Holland Faculty Senate Representative from the College of Arts and Sciences (Voted to replace departed faculty member)

College of Arts and Sciences Service:

- 2007-present Mississippi State University, General Liberal Arts Committee
- 2008-2010 Mississippi State University, College of Arts and Sciences Tenure and Promotion Committee
- 2007 Mississippi State University, ITAG representative College of Arts and Sciences
- 2004 College of Arts and Sciences Committee to write the College Promotion and Tenure Document
- 2002 – 2004 College of Arts and Sciences Faculty Senate
- 2002 – 2004 College of Arts and Sciences Scholarship Committee

Department Service:

- 2015 – present Department of Geosciences Action Team Chair - evaluation of department strengths and weaknesses, oversight of department functionality.
- 2013 – present Undergraduate Coordinator for the Department of Geosciences

- 2010 – present “Team Leader” for Geospatial and Geography. Coordinate teaching schedules for geography and geospatial courses, assign geospatial TA duties, represent geospatial and geography faculty to the Department Head, oversee geography and geospatial instruction, maintain the Geospatial Lab schedule, ensure that course content is current, and geospatial and geography curricula changes.
- 2012 – present Chair of Geosciences Courses and Curriculum Committee
- 2012 – present Geosciences Distance Learning Oversight Committee
- 2011 Chair Geosciences Promotion and Tenure Committee
- 2010 Five-Year Department Review , wrote section on undergraduate education.

Department Search Committees:

- Chair GIS Instructor (2008), Remote Sensing Assistant Professor with GRI (2008), GIS Assistant Professor (2011), Geospatial/Geology Assistant Professor (2012)
- Committee Department of Geosciences Office Staff (2013 and 2014).

Academic Service:

- 2006 – 2008 State Representative for the Southeastern Division of the Association of American Geographers.
- 2002 – 2004 Southeastern Division of Association of American Geographer Honors Committee.
- 2002-2003 Southeastern Division of Association of American Geographers World Geography Coach for the State of Mississippi